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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to he score greater than or equal to the score of the result being and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                        Score
748.6
744.4
735.2
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653.8
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758
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Match
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Gapop 10.0 , Gapext 1.0
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1: /SIDS1/gcgdata/g
2: /SIDS1/gcgdata/g
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                                                                                                                                                                                                                                                                                                                                                                                                                                      // SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1990_DAT:*
// SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1990_DAT:*
// SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1991_DAT:*
// SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1991_DAT:*
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/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*
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/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1983.DAT:*
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                    AAC77730
ACC50321
ABV29510
ABZ25755
ABQ61087
AAI71793
ABQ56132
ABV23648
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               Human prostate exp
Human site-specifi
RIKEN 1810(46)19 p
Human C35 coding s
Human ovarian anti
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ovarian a	ABQ54999	24	1606	9.1	77	45	
an secreted pr	AAD33711	24	706	•	77.2	44	
DNA encoding novel	ABK43639	23	2958	•	77.6	43	
Human polynucleoti	ABL90847	24	2884		77.6	42	
Human breast and o	AAF21664	21	1635	٠	77.6	41	
Human polynucleoti	ABL90006	24	1111	٠	78	40	
_	AAD08212	22	985		78	39	
secreted pr	AAD08199	22	985	٠	78	38	
ovarian a	ABQ54960	24	6066		78.2	37	
secreted	AAF97908	22	6065		78.2	36	
prostat	ABV48154	23	458		œ	35	
cancer as	AAC78044	21	1016		œ	34	
secreted	ABA83247	22	588		82.4	33	
	AAV84464	20	588		82.4	32	
Human colon cancer	AAC98006	21	371		82.6	31	
Human ovarian canc	ABL78369	24	433	10.3	87		a
Bovine EST associa	ABX51896	25	340	1	98.2	29	
Human breast cance	AAL24678	22	373		127.4	28	
breast ca	AAL15834	22	565		146.2	27	
n prostate	ABV05734	23	345		. 168	26	
Frog embryonic gen	ABS76834	24	715			25	
elated to	ABL59494	24	437		228.8	24	
secre	AAC03159	21	310		260.2	23	
Bovine EST associa	ABX51910	25	416		265.8	22	
pancreatic	ABV97062	24	293	33.3	281.8		a
panci	ABV99124	24	285		284		_
gene signat	AAT23303	16	419		9	19	
pancreatic	ABV96987	24	299		٠		a
n pancreati	ABV97310	24	301		99		_
rentially ex	ABQ78746	24	300		300	16	
	ABV96744	24	346		. 346	15	
gene cD	AAH77148	23	354	۲	354	14	
	AAI71785	22	354	۲	354	13	
prostat	ABV38989	23	517		381.2	12	
breast to	AAH55578	22	404	47.3	400	11	
prostate	ABV14903	23	875	55.5	469	10	
Human prostate exp	ABV44776	23	602	9	565	9	

## ALIGNMENTS

08-FEB-2001 (first entry)

AAC77730;

AAC77730 standard; cDNA; 845 BP.

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RESULT 1
AACT770
AAC 770
AC AACT7
AC AACT7
AC AACT7
AX BACT70
AC AACT7
AC A
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                                                              12-MAR-1999;
                                                                                                                                                            08-MAR-2000; 2000WO-US05882.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human cancer associated gene sequence SEQ ID NO:124.
                                                                                                                                                                                                                                                                                                                                                                                                                       WO200055350-A1
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prostate exp

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CC AAC77607 to AAC78448 encode the human cancer associated proteins given CC in AAB4339 to AAB4239. The proteins can have activities based on the Ct issues and cells the genes are expressed in. Example of activities CC include: cytostatic; proliferative; vulnerary; immunomodulator; CC antidiabetic; antiasthmatic; antiallergic; antiarthritic; antiviral; convergic; antitheyroid; antiallergic; antibacterial; antiviral; CC encurrence; resurvey in antiportective; cardiant; thrombolytic; coagulant; CC nootropic; vasotropic; antipsoriatic and antiangiogenic. The convergic; vasotropic; antipsoriatic and antiangiogenic. The convergic; vasotropic; antipsoriatic and antiangiogenic. The polymucleotides and polypeptides can be used for preventing, treating or complication medical conditions and diagnosing pathological conditions. CC polymucleotides, polypeptides, antibodies, agonists and antagonists from complication of the present invention may be used to treat immune disorders by activating commune cells, to treat disorders of hematopoletic cells, autoimmune configuration, modulate hemostatic or thrombolytic activity, modulate rejection, modulate hemostatic or thrombolytic activity, modulate and complete success, cardiovascular disorders, neurological disease and complete and antagonists may be also be used in drug screens. AAC78459 to AAC78457 and AAB4240 represent sequences used in the exemplification of the present invention.
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Best Local Similarity
Matches 845; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           present invention.
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)B; AAB43521.
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481
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CTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTAC
                                                                     CTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCT
                                                                                                    GATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTG
                                                                                                                                     GATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTG
                                                                                                                                                                                                 CTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCTAGAAAA
                                                                                                                                                                                                                                                                 CTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCCAAGCTGGAGAATGGGGGGCTTTCC
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                                                                                                                                                                         CTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCTAGAAAA
                                                                                                                                                                                                                                               CTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCC
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Pred. No.
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RESULT 2
ACC503
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XX ACC5
XX ACC5
XX ACC5
XX Homo
XX Homo
XX WO20
XX WO20
XX WO21
YF 21-7
YF 21-7
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27-JUN-2001; 2001US-301572P.
18-JUL-2001; 2001US-306501P.
25-SEP-2001; 2001US-325002P.
05-MAR-2002; 2002US-362585P.
14-MAY-2002; 2002US-380391P.
                                                                                                                       Breast cancer diagnosis or treatment expression of a marker in a patient sono-breast cancer sample -
                                                                                  Claim 1;
                                                                                                                                                                                                                                                                                           Lillie J, (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-JUN-2002; 2002WO-US19669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-JAN-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Breast cancer associated cDNA sequence SEQ ID NO:479
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                                                                                                                                                                                                                                                                        Hortobagyi GN,
                                                                                                                                                                                                                                                                                                                                                          (MILL-) MILLENIUM PHARM INC
                                                                                                                                                                                                           2003-210381/20.
DB; ABR47619.
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                                                                                SEQ ID 479; 128pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard; cDNA; 1057
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                                                                                                                                                                                                                                                                    Gannavarapu M, Glatt K,
, Myer V, Wang Y, Xu Y,
GN, Pusztai L, Meric F,
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sample with that in the
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Zhao X,
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Mills
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Meyers RE,
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The present invention describes a method for assessing whether a patient is afflicted with breast cancer. The method comprises comparing the leve of expression of a marker (gene/polypeptide see ACC50076 to ACC50334 and

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1057 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           specification,
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1008
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                                                                                                                             CCACCTCATACCCCCCTTCCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTC
                                                                                                                                                                                        ATAGAAGATTCCGTGGCCTTGGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAG
                                                                                                                                                                                                                                               ACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGGA
                                                                                                                                                                                                                                                                                        GGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTCCCCT
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GGTAATACCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCA
                                                                                                                                                                       ATAGAAGATTCCGTGGCCTTGGGGGGCAGGAGAGACACTCTCCATGAACACTTCTCCAG
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99.9%;
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RESULT 3 ABV29510/c

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09-JUN-2000;
18-JUL-2000;
13-DEC-2000;
                                                                                                                                                                                                                                                     patient; (I) is a
                                                                                                                                                                                                                                                                              in a patient;
(e) selecting
(f) assessing
(g) determining
(h) assessing
                                                                                                                                                                                                                                                                                                                                      The invention relates to an isolated nucleic acid molecule (I) comprisi a nucleotide sequence given in Tables I-9 (ABV00010-ABV62213) of the specification or its complement. (I) is useful for:

(a) assessing whether a patient is afflicted with prostate cancer;

(b) monitoring the progression of prostate cancer in a patient;

(c) assessing the efficacy of a test compound to inhibit prostate cancer in a patient;

(d) assessing the efficacy of a therapy for inhibiting prostate cancer in a patient;
                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim
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16-MAR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human prostate expression marker cDNA 29501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for
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                                                                                                                                                                                                                                                                             selecting a composition for inhibiting prostate cancer in a patien assessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient, assessing the aggressiveness or indolence of prostate cancer in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   detecting
                                                146
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                                                                                                                                                                                                                                                    also useful as a pharmacodyanamic or pharmacogenomic
                                                                                                                                                                                          Similarity
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 ATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAG
                                                                                       CCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGGTCCGCATCGTGGTGGAGTACTGTGAACCC
                                                                                                                             GGGGCCCGAGCGGAGCCGCCGATGAGCGGGGAGCCGGGGCAGACGTCCGTAGCGCCC
                                                                                                                                          GGGCCCGAGGCGGAGCCGGCCGATGAGCGGGGAGCCGGGGCAGACGTCCGTAGCGCCC
                                                                                                                                                                                                                               962
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                plated nucleic acid molecule associated with cancerous state of cells and correlating with presence of prostate cancer, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ×
                                        TGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGC
                                                                           CCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page 6323; 11750pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         standard; cDNA;
                          TGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; 2000US-183319P.
; 2000US-189862P.
2000US-207454P.
; 2000US-211314P.
; 2000US-219007P.
; 2000US-255281P.
                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     presence of prostate cancer,
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marker;
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gene; ss.
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                                                                                                                                                                                        Score 748.6; DB 23;
Pred. No. 1.4e-127;
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RESULT 4
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Claim 6; Page 26-27 (D
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Sequence 786 BP; 175 A
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Sequence 786 BP; 175 A
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Polypeptide-human protein 12.63 containing site-specific recombinase characteristic sequence fragment and polynucleotide for coding it -

Claim 6; Page 26-27 (Disclosure); 33pp; Chinese

The invention relates to human site-specific recombinase motif-containing protein 12.63 (ABP58560) and nucleic acids encoding it (ABZ25755). The protein has a molecular weight of 12.63 kl. The invention also relates to a method for the recombinant production of the protein, an antagonist of the protein, and the use of the protein, gene and antagonist in therapeutic applications. Site-specific recombinase motif-containing protein 12.63 can be used in the treatment of a variety of diseases such as cancer and HIV (human immunodeficiency virus) infection. The present sequence represents cDNA encoding human site-specific recombinase motif-containing protein 12.63.

Sequence 786 BP; 175 A; 233 C; 220 G; 158 T; 0 other;

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Matches 740
                                                                                                                                                                                                                                                                                                                                vulnerary, neuroprotective, immunomodulator, cytostatic and anti-inflammatory. Compositions comprising nucleic acids of the invention are useful for treating a mammalian subject, or as nutritional sources or supplements. These are useful in gene therapy, particularly for treating wounds, burns or ulcers, Alzheimer's disease, Huntington's disease, amyotrophic lateral sclerosis, autorimmune disorders, cancer or inflammation. The nucleic acids and polypeptides are also useful in diagnostic and research methods. The sequences given in records ABQ60788-ABQ61233 represent polypucleotides of the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fifth, wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New polypeptides and their encoded proteins, useful as nutritional sources or supplements, or in gene therapy, particularly for treating wounds, Alzheimer's disease, amyotrophic lateral sclerosis, cancer or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tang
                                                                                                                                                                                                                                                                                      Sequence 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to 446 newly isolated polynucleotide sequences. The activity of polynucleotides of the invention may be described as,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID # 300;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RIKEN 1810046J19 protein encoding
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel C35 polypeptides and C35 genes useful in immunogenic compand vaccines, for inducing antibody and cell-mediated immunity target cells, such as tumor cells that express C35 gene
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Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and neurological diseases

Birse

G

Rosen CA;

2002-147878/19.

07-JUN-2000; 2000US-209467P. 07-JUN-2001; 2001WO-US18569.

(HUMA-) HUMAN GENOME SCI INC

03-JAN-2002

Claim 1; SEQ ID No 2012; 2922pp; English.

The invention relates to 2175 novel human ovarian antigens (ABP41054-CC ABP43228) and to cDNAs encoding them (ABQ54131-ABQ56305), and also CC encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to recombinant vectors and host cells comprising human ovarian antigen CC polynucleotides, antibodies against human ovarian antigens, and the use CC of ovarian antigen polynucleotides and polypeptides in diagnosing, and the conferring, prognosing or preventing various ovary and/or breast-related CC disorders. Such conditions include ovarian cancer and breast cancer, and CC disorders (e.g., infertility, disorders of pregnancy, anovulation, CC disorders (e.g., infertility, disorders of pregnancy, anovulation, CC disorders, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic Shock syndrome), inflammatory conditions (e.g., mastitis, ophoritis and CC vaginitis), immune disorders (e.g., congenital and acquired vaginitis), immune disorders (e.g., congenital and acquired conference of the conferen

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Note: The sequence data for this patent did not form specification, but was obtained in electronic format at ftp.wipo.int/pub/published_pct_sequences.
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                                                                                                                                                                       AAGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAGATTCC3TGG
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                ·CCACAGATTTTATTTATTCTCCCCTAACCCCAGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     77.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              215 C; 210 G; 163 T; 7 other;
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Pred. No. 2.6
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RESULT 8
ABV23648/c
ID ABV236
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AC ABV236
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ABV23648 ABV23648

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Best Local Similarity
Matches 622; Conserv
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16-MAR-2000;
25-MAY-2000;
09-JUN-2000;
18-JUL-2000;
13-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                     in a patient;
(e) selecting
(f) assessing
                                                                                                                                                                                                                                                                                                                                                                                             a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of t specification or its complement. (1) is useful for: (a) assessing whether a patient is afflicted with prostate cancer; (b) monitoring the progression of prostate cancer in a patient; (c) assessing the efficacy of a test compound to inhibit prostate cancer in a patient;
                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel isolated nucleic acid molecule associated with cancerous state prostate cells and correlating with presence of prostate cancer, usef for detecting presence of prostate cancer stage of prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim
                                                                                                                                                                                                                                                                                                                                                                                     (d) assessing the efficacy of a therapy for inhibiting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-SEP-2002
                                                                                                                                                                                                                                                                                                                          selecting a composition for inhibiting prostate cancer in a patic
assessing the prostate cell carcinogenic potential of a compound
determining whether prostate cancer has metastasized in a patient
assessing the aggressiveness or indolence of prostate cancer in a
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                                          GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCCAGTAATGGAGAAACCC
                                                                                        --GGTGCCTTTGAGATAGAGATAAATGGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGG
  TAGAAAAGATCACCAACAGCCGTCCTTCCCTGC-GTCATCCTGTGACTGCACAGGACTCTG
                                                                           TGGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCCAAGCTGGAGAATGGGG
                                                                                                                           TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGAGGCTCGCAGAACACCTGC
                                                                                                                                                 TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACA------
                                                                                                                                                                           TCAACGCGGGGGGCTTCGTGCGACCTACCTGGAGCTGGCCAGTGCGGTGAAGGAGCAGCA
                                                                                                                                                                                                                                                                            814
                                                                                                                                                                                                 TGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTA
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                                                                                                                                                                                                                                                                                                    useful
                                                                                                                                                                                                                            Conservative
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2000US-207454P.
2000US-211314P.
2000US-219007P.
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marker; gene; ss.
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                                                                                                                                                                                                                                                                                                  pharmacodyanamic
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Pred. No. 3.7e
0; Mismatches
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                                                                                                                                                                                                                                                                           G; 199 T; 1 other;
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                                                                                                                                                                                                                                                                                                 or pharmacogenomic
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                                                                                                                                                                                                                                                                                                                                                                                        prostate
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                                                                                                                                                                                                                                                                                                    marker
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16-MAR-2000;
25-MAY-2000;
09-JUN-2000;
18-JUL-2000;
13-DEC-2000;
                         Novel isolated nucleic acid molecule associated with cancerous state of prostate cells and correlating with presence of prostate cancer, useful for detecting presence of prostate cancer, stage of prostate cancer -
                                                                                                                                                                                         Human; prostate pharmacogenomic
             Claim 1; Page
                                                                                                                                                     23-AUG-2001.
                                                                                                                                                                WO200160860-A2
                                                                                                                                                                                                                          16-SEP-2002
                                                                                                                                                                                                                                       ABV44776;
                                                                                                                                                                                                                                                   ABV44776 standard;
                                                                                                                                      20-FEB-2001; 2001WO-US05171.
  invention
                                                     2001-662795/76.
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                                                                              MILLENNIUM PREDICTIVE
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                                                                                         ; 2000US-183319P.
; 2000US-189862P.
; 2000US-207454P.
; 2000US-211314P.
; 2000US-219007P.
; 2000US-255281P.
                                                                Endege
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  relates
              8878;
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                                                                                                                                                                                         marker; gene; ss.
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             11750pp; English
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  an
                                                                 Monahan
  isolated nucleic
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                                                                              MEDICINE
                                                                                                                                                                                                carcinogen;
  acid
                                                                                                                                                                                                pharmacodyanamic marker;
 molecule (I) comprising
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 RESULT 10
ABV14903
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Query Match
Best Local
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(a) assessing whether a patient is affiliated with prostate cancer.
(b) monitoring the progression of prostate cancer in a patient;
(c) assessing the efficacy of a test compound to inhibit prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer in a patient;
(d) assessing the efficacy of a therapy for inhibiting prostate cancer in a patient;
(e) selecting a composition for inhibiting prostate cancer in a patient (e) selecting a composition for inhibiting prostate cancer in a patient (f) assessing the prostate cell carcinogenic potential of a compound;
(g) determining whether prostate cancer has metastasized in a patient;
(h) assessing the aggressiveness or indolence of prostate cancer in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 602 BP; 124 A; 173 C; 176 G; 127 T; 2 other;
                                       517
                                                                               534
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                                                                                                                                                                                                                                                                                                       TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
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                                       CCTGCCTCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTT
                                                                                                                                                                                                                          GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
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ATGAACACTTCTCCAGCCACCTCATA
                                                                                                                      CCTGCCTC
                                                                                                                                                                                                   GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
                                                                                                                                                                                                                                                                                  TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
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99.8%;
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Pred. No. 3.9e-94;
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ESULT 10

EV14903

D ABV14903 standard; cDNA; 875 BP.

X X X

T 13-SEP-2002 (first entry)

X X 13-SEP-2002 (first entry)

X ABV14903;
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602

DE Human prostate expression marker cDNA 14894.

XX

KW Human; prostate cancer; cytostatic; carcinogen; pharmacodyanamic

marker;

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The invention relates to an isolated nucleic acid molecule (I) comprict a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the specification or its complement. (I) is useful for:

(C) (a) assessing whether a patient is afflicted with prostate cancer;
(C) dissessing the efficacy of a test compound to inhibit prostate cancer in a patient;
(C) dissessing the efficacy of a therapy for inhibit.

(C) (d) assessing the efficacy of a therapy for inhibit.

(C) (e) selecting a composition for '
(f) dissessing the proser-
(g) determining
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Best Local S
Matches 572
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18-JUL-2000;
13-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel isolated nucleic acid molecule associated with cancerous state of prostate cells and correlating with presence of prostate cancer, useful for detecting presence of prostate cancer, stage of prostate cancer -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-FEB-2000; 2000US-183319P.
16-MAR-2000; 2000US-189862P.
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                                                                                                                                                                                                                                                                                                                                                                                                       selecting a composition for inhibiting prostate cancer in a patien absessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient; assessing the aggressiveness or indolence of prostate cancer in a
                 414
                                          329
                                                                  355
                                                                                             269
                                                                                                                      295
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                                                                                                                                                                                                                                                                                                     al Similarity 572; Conserv
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GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
                                                       AGAAAAGATCACCAACAGCCGTCCTCCCTGC-GTCATCCTGTGACCTGCACAGGACTCTGG
                                                                                           CTTTCCCTATGAGAAAGATCTCATTGAGGCCATTCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                         CTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                                                             GGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCCAAGCTGGAGAATGGGGG
                                                                                                                                                                                              TTCGGGCATCGAGATCGAGTCGCGCGCCTCGGGGGCACAGGTGAGGTCGCATAACACCTGCT
                                                                                                                                                                                                                       TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACA------
                                                                                                                                                                                                                                                                          TGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCAGTGCTGTGAAGGAGCAGTA
                                                                                                                                                                                                                                                                                                                                                          875
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                                        AGAAAAGATCACCAACAGCCGCCCTCCCTGCGGTCATCCTGTGACTGCACAGGACTCTGG
                                                                                                                                                                                                                                                 TCAACGCGGGGGGCTTCGTGCGACCTACCTGGAGCTGGCCAGTGCGGTTATGGAACAACA
                                                                                                                                                                                                                                                                                                      Conservative
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; 2000US-219007P.
; 2000US-255281P.
                                                                                                                                                                                                                                                                                                                                                        B₽;
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                                                                                                                                                             TTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATG3GGG
                                                                                                                                                                                                                                                                                                                                                       204 A;
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                                                                                                                                                                                                                                                                                                                                                       C; 216
                                                                                                                                                                                                                                                                                                     <u>,,</u>
                                                                                                                                                                                                                                                                                                                 Score 469;
Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                       G.
                                                                                                                                                                                                                                                                                                                                                       210 T; 4 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for inhibiting prostate cancer
                                                                                                                                                                                                                                                                                                                DB 23;
.3e-76;
                                                                                                                                                                                                                                                                                                     75;
                                                                                                                                                                                                                                                                                                                           Length 875;
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                                                                                                                                                                                                                                                                                                                                                                                 marker
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RESULT 11
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The present sequence is a human breast tumour protein coding sequence. This sequence may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the breast tumour protein e.g. breast cancer. For example, this sequence may be used to treat disorders associated with decreased expression by rectifying mutations or deletions in a patient's genome that affect the activity of breast tumour protein by expressing inactive proteins or to supplement the patients own production of the breast tumour protein. Additionally,
                                                                                                                                                                                                                                                                                                                                                                          gene
                                                                                                                                                                           Dillon
                                                                                                                                                                                                                                 10-MAR-2000;
07-APR-2000;
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22-FEB-2000;
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                                                                                                                                                                                                                                                                                                                                                                                      Cytostatic; vaccine;
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                                                                                                                     tumor polypeptides and the nucleic acids that encode them, for the prevention, diagnosis and treatment of breast canc
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                                                                                                                                                                                                CORIXA CORP
                                                                                                 Page 154; 221pp;
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2000US-0510662.
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                                                                                                                                                                          Houghton RL,
                                                                                                                                                                                                                                                                                                                                                                                                          62 DNA sequence
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RESULT 12
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16-MAR-2000; 2000US-189862P.
25-MAY-2000; 2000US-207454P.
09-JUN-2000; 2000US-211314P.
18-JUL-2000; 2000US-219007P.
13-DEC-2000; 2000US-255281P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; prostate pharmacogenomic
       Schlegel
                                                                                                                                                                                                                                                                            20-FEB-2001; 2001WO-US05171
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marker;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    entry)
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gene; ss.
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       Monahan
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Pred. No. 4.4e-64;
0; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ВÞ
                                                     MEDICINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                carcinogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                pharmacodyanamic marker;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 404;
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RESULT 13
AAI71785
ID AAI71
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**AAI71785** 

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 440; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to an isolated nucleic acid molecule (I) comprising a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the specification or its complement. (I) is useful for:
(a) assessing whether a patient is afflicted with prostate cancer;
(b) monitoring the progression of prostate cancer in a patient;
(c) assessing the efficacy of a test compound to inhibit prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (d) assessing the ef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-662795/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in a patient;
(e) selecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          selecting a composition for inhibiting prostate cancer in a patient; assessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient; assessing the aggressiveness or indolence of prostate cancer in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               assessing the efficacy of a therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          detecting
510
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                                                                                                                                                                                                                                                                                                                                                                                                                              199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       isolated nucleic acid molecule associated with cancerous state of ate cells and correlating with presence of prostate cancer, useful
                                                                                                                                                                                                                                                                                                                                                                                                  90
                                                                                                                                                                                                                                                                                                                                                                                                                                                          30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  also
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGAACCCTGCGGCTTCGAGGCGAGCCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTA
                                                                                                                                                                                     GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
                                                                                                                                                                                                                                                                                                                                          GGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGG
                          ATGAACAC
                                                        CCTGCCTCTTTCCCCCTACTTAGCTTCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTT
                                                                                                                             CCTGCCTCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTT
                                                                                                                                                                     GTTCCTGCTCTGGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
                                                                                                                                                                                                                             AGAAAAGATCACCAACAGCCGCCCTCCCTGCGGTCATCCTGTGACTGCACAGGACTCTGG
                                                                                                                                                                                                                                               AGAAAAGATCACCAACAGCCGTCCTCCCTGC-GTCATCCTGTGACCTGCACAGGACTCTGG
                                                                                                                                                                                                                                                                                     CTTTCCCTATGAGAAAGATCTCATTGAGGCCATTCGAAGAGCCAGTAATGGAGAAACCCCT
                                                                                                                                                                                                                                                                                                       CTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                                                                                                                                                                                                                                                                            -GGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCCAAGCTGGAGAATGGGGG
                                                                                                                                                                                                                                                                                                                                                                                                 TTCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGAGGTCGCATAACACCTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                             TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACA------
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCAACGCGGGGGGCTTCGTGCGACCTACCTGGAGCTGGCCAGTGCGGTTATGGAACAACA
ATGAACAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  useful as a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP; 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7921; 11750pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        presence of prostate cancer, stage of
                          601
517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.1%;
90.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; 138 C; 142 G; 119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 381.2; DB 2
Pred. No. 1.2e-60;
0; Mismatches 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             517;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     marker
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                                                         509
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                                                                                                                                                                                                                                                                                                                                        Matches 354;
                                                                                                                                                                                                                                                                                                     Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                         The present sequence is human C35 coding sequence. C35 is a novel tunk antigen that is overexpressed in human breast and bladder carcinoms. (is thought to be a promising candidate for tumour immunotherapy, in immunogenic compositions and vaccines, to induce antibody and cell-mediated immunity against target cells such as tumour cells that express C35 genes. The C35 gene aligns on human chromosome 17q12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human;
breast
                                                                                                                                                                                                                                                                                                                                     Sequence 354 BP; 77 A; 94 C; 120 G; 63 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel C35 polypeptides and C35 genes useful in immunogenic compositions and vaccines, for inducing antibody and cell-mediated immunity against target cells, such as tumor cells that express C35 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-APR-2000; 2000US-194463P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-APR-2001; 2001WO-US10855
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301
                    344
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                                                                                                                                                                  164
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C35; cytostatic; gene therapy; vaccine; tumour antigen; ss; cancer; bladder cancer; tumour immunotherapy; chromosome 17q12.
                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  UNIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAG78997.
            GGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGA 397
                                                           GAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAAT
                                                                                                                                                                                                      CCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCCTGCGGCTTCGAGGCGACC
                                                                                                                                                                                                                                                    Ξ,
                                             GAGAATGGGGGCT
                                                                                          CTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTG
                                                                                                         CTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTG
                                                                                                                                         TACCTGGAGCTGGCAGTGCTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGC
                                                                                                                                                                TACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGC
                                                                                                                                                                                       CCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCCTGCGGCTTCGAGGCGACC
                                                                                                                                                                                                                                       Fig 1; 331pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            coding
                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Evans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ROCHESTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers 7..354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /rtag= a
/product≈ "Human C35'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EE,
                                                                                                                                                                                                                                                                                                 41.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Borrello MA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             世
                                                                                                                                                                                                                                                                                     <u>,</u>
                                                                                                                                                                                                                                                                                                 Score 354; DB 22
Pred. No. 1e-55;
                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                            22;
                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                                            Length 354;
                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                          a novel tumour carcinoma. C35
                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                    Gaps
                                                                  343
                                            300
                                                                                          240
                                                                                                               283
                                                                                                                                       180
                                                                                                                                                                223
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RRESULT 14
AAH77148
ID AAH771X
XX AAH771X
AC AAH77
XX DT 08-MA
DT 08-MA
DT 08-MA
DT 08-MA
DE Human
XX C35;
XW MHC-F
KW Deta-
KW Grave
COX Homo
XX
FT CDS
                                                    The invention comprises a compound which contains one or more major CC histocompatibility complex (MHC)-peptide complexes, and an antibody specific for a cell surface marker. The complexes comprise an MHC class CC I alpha chain, a beta-2 microglobulin molecule and an antigenic peptide cound in the MHC groove. Alternatively, the complexes may comprise an MHC Class II alpha chain, an MHC class II beta chain, and an antigenic cut terminus of the antibody. The compounds of the invention can be used as a CC vaccine to modulate an immune response. The compounds of the invention created as a cut could be active an immune response in the compounds of the invention can be used as a cut could be active an immune response in the compounds of the invention can be used as a cut could be active and infections (e.g. hepatitis and compounds of the invention could be active infections (e.g. hepatitis and compounds of the inventions (e.g. hashimoto's disease, compounds of the invention may also be used in the cut can be used in the cut can be used in the cut can be active compounds of the invention may also be used in the cut can be used in the cut could be active to may also be used in the cut can be used in the cut could be active to compounds of the invention may also be used in the cut cancer colls. In one embodiment of the cut convention, antigenic peptides derived from C35 protein can be used to promote an immune response against a cancerous cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C35; antigenic peptide; major histocompatibility complex; ss; MHC-peptide complex; MHC, human; MHC class I alpha chain; gene; beta-2 microglobulin; MHC class II alpha chain; MHC class II beta vaccine; immune response modulation; hyperproliferative disorder; neoplasm; hypergammaglobulinaemia; viral infection; hepatitis; meningitis; bacterial infection; tuberculosis; gingivitis; parasitic infection; autoimmune disease; Hashimoto's disease; Graves' disease; rheumatoid arthritis; allergy; asthma; organ rejegraft-versus-host disease; GVHD; breast cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel compound comprising major histocompatibility complex-peptide complexes, used to modulate immune responses -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-APR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fig 7; 166pp;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2000US-196472P
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Query Match

Sequence

354 BP;

77 A; 94 C;

T; 0 other; DB

Score 354; 120 G; 63

23; Length 354;

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RESULT 15
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ID ABV96746
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XX ABV96
XX AV96
XX Human
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                                                                                                                                                                                                                                                                                                                                                                                                            30-JAN-2001; 2001US-265305P.
31-JAN-2001; 2001US-265882P.
09-FEB-2001; 2001US-267568P.
21-MAR-2001; 2001US-278651P.
28-APR-2001; 2001US-278112P.
16-MAY-2001; 2001US-291611P.
12-JUL-2001; 2001US-391694P.
20-AUG-2001; 2001US-333626P.
                                                                                                                                        New isolated polynucleotide and pancreatic tumor polypeptides, useful for diagnosing, preventing and/or treating cancer, particularly pancreatic cancer -
  The invention relates to an isolated polynucleotide (I) comprising: (a) any of a group of over 4000 nucleotide sequences (ABV94628-ABV99145);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; pancreas; cancer; gene therapy; vaccine; immunostimulant;
cytostatic; tumour; gene; ss.
                                                                                  Claim 1; SEQ ID NO 2152; 300pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                           Benson
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CN Note: The sequence data for this patient did not form part of the printed specification, but was obtained in electronic format directly from WIPO at figure process.
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    GTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTCCCCCTACT
                                                GTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTCCCCCTACT
                                                                                                                                         CCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGG
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

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4: /cgn2_6/ptodata/1/ina/FCTUS_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*
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US-09-344-441-2
US-09-370-473-5
US-09-370-473-5
US-09-489-847-84
US-09-489-847-3
US-09-489-847-3
US-09-152-060-15
US-09-152-060-15
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6 64 Appl
7 Appli
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45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28
67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.8	68	68	68	83	83	68.2	68.2	68.4	68.4	68.4
8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1
1813	1193	1046	1046	7938	7286	2378	2378	2806	2744	2744	2744	2447	7724	1927	1641	1641	1210
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US-09-071-224-3	US-09-372-422A-23	US-08-484-332C-4	US-08-361-467B-4	US-09-331-581-14	US-09-331-581-3	US-08-860-370-1	US-08-802-805D-20	US-09-653-839-9	US-09-369-617-1	US-09-369-618-1	US-09-071-101-1	US-09-014-969-14	US-08-486-049-1	US-09-336-536-66	US-08-988-197-8	US-08-300-903A-8	US-09-443-041A-29
Sequence 3, Appli	Sequence 23, Appl	Sequence 4, Appli	Sequence 4, Appli	Sequence 14, Appl	ω ·	Sequence 1, Appli	Sequence 20, Appl	Sequence 9, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 14, Appl	Sequence 1, Appli	Sequence 66, Appl	Sequence 8, Appli	Sequence 8, Appli	Sequence 29, Appl

### ALIGNMENTS

ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,90 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,89 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,91 ER FILING DATE: 1997-06-06	ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/04 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/04 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/04	NAT APPLICATION NUMBER: US/09/205,2 NAT FILING DATE: 1998-12-04 ER RILING DATE: 1998-06-04 ER APPLICATION NUMBER: FCT/US98/11 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,881 ER APPLICATION NUMBER: 60/048,880 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,896 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,896 ER FILING DATE: 1997-06-06 ER APPLICATION NUMBER: 60/048,896	258-64 64, Application US/09205258 o. 6525.74 INFORMATION: NT: Young et al. FINVENTION: 207 Human Secreted FERENCE: PZ007P1
900 901 892 915	8 9 8 8 8 9 9 7 9 8 8 8 9 8 9 8 9 8 9 8	05, 8/1 885 375 375 881 880 020	. <mark>Ф</mark>

APPLICATION NUMBER: 60/048,970 FILING DATE: 1997-06-06

APPLICATION NUMBER: 60/049,019

1997-06-06

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RESULT 2
US-09-370-807-7
; Sequence 7; Application US/09370807
; Patent No. 6297034
                                                                                                                                                                                                                                                                                                                                                                                                                                                              , NAME/KEY: SITE
, LOCATION: (566)
, OTHER INFORMATION: n
US-09-205-258-64
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EARLIER APPLICATION NUMBER: 60/049,373
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,917
EARLIER APPLICATION NUMBER: 60/048,949
EARLIER APPLICATION NUMBER: 60/048,949
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER APPLICATION NUMBER: 60/048,898
EARLIER APPLICATION NUMBER: 60/048,962
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER FILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,878
EARLIER APPLICATION NUMBER: 60/070,923
EARLIER ETILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 64
                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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LOCATION: (565)
OTHER INFORMATION:
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ORGANISM: Homo sapiens
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                    811 AAAAAAAAATNTNGGGGGGGGGCCCCCCCCCC 845
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Pred. No. 1.5e-09;
0; Mismatches 8;
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APPLICANT: Calbon, Rebecca E.
APPLICANT: Falco, S. Carl
APPLICANT: Falco, S. Carl
APPLICANT: Rafalski, J. Antoni
APPLICANT: Sakai, Hajime
FILE OF INVENTION: N-End Rule Pathway Enzymes
FILE REFERENCE: BB-1199
CURRENT APPLICATION NUMBER: US/09/370,807
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: 60/096,225
EARLIER FILING DATE: August 12, 1998
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Microsoft Office 97
SEQ ID NO 7
LENGTH: 2407
RESULT 4

US-09-027-137-2

; Sequence 2, Application US/09027137

; Patent No. 6013450

; GENERAL INFORMATION:
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; ORGANISM: Oryza sativa
US-09-921-259-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/09921259
Patent No. 6465234
GENERAL INFORMATION:
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Falco, S. Carl
APPLICANT: Rafalski, J. Antoni
APPLICANT: Sakai, Hajime
TITLE OF INVENTION: N-End Rule Pathway Enzymes
FILE REFERENCE: BB-1199
                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Microsoft Office 97
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best
                                                                                                                                                                                                                                                     Query Match 8.7%;
Best Local Similarity 90.6%;
Matches 77; Conservative
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NUMBER OF SEQ ID NOS: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/921,259
CURRENT FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/096,225
PRIOR FILING DATE: August 12, 1998
                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 2407
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                                                                                                                                          813 AAAAAAAATNTNGGGGGGGGGCCC
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l Similarity 90.6%;
77; Conservative
                                                                                                                     AAAAAAAACTCCGGGGGGGGGCCC 2061
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Pred. No. 2.2e-07;
0; Mismatches 8;
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Pred. No. 2.2e-07;
0; Mismatches 8;
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RESULT 5
US-09-344-441-2
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                                                                                                                                            Sequence 2, Application US/09344441
Patent No. 6376651
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 650-845-4166
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PROSNO
CLONE: 2229466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: DOS
SOFTWARE: PastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS: ADDRESSEE: Incyte Pharmaceuticals,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM:
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CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: Filed Herewith
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Dr.
                                                  Yue, Henry
TITLE OF INVENTION: CAF1-RELATED PROTEIN
NUMBER OF SEQUENCES: 3
                                                                                                           APPLICANT: Hillman, Jennifer L. Corley, Neil C.
                                                                                                                                                                                                                                                                                                                                              ASSIFICATION:
                                                                                                                                                                                                                                                                                                        805 AAAAAAAAAAAAAAATNTNGGGGGGGGGCCC 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                   685 ATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAA 744
                                                                                                                                                                                                                                                                                                                                                                                94304
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Pred. No. 3.5e-07;
0; Mismatches 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51;
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 ; ORGANISM: Triticum aestivum US-09-370-473-5
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                                              SUF IN NO 5 SEQ ID NO 5
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Best Local Similarity
Matches 102; Conserv
                                                                                                                                                                                                                                                                                                        Sequence 5, Application US/09370473 Patent No. 6271031
                                                                                      NUMBER OF SEQ ID NOS: 12
SOFTWARE: Microsoft Office 97
                                                                                                                        EARLIER APPLICATION NUMBER: 60/096,240 EARLIER FILING DATE: August 12, 1998
                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/370,473
CURRENT FILING DATE: 1999-08-09
                                                                                                                                                                                           APPLICANT: Falco, S. Carl
APPLICANT: Famodu, Layo O.
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: Quinolinate Metabolism
FILE REFERENCE: BB-1209
                                   TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 09/027,137
FILING DATE: 1998-02-20
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-04
                                                                                                                                                                                                                                                                                                                                                                                                                 2567 AAAAAAAAAAAAAAAAAAAAGGGGGGCCGCTC 2599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2447 ATACTATTTATGTTTTAATTTTGTAAAATAAAGATTTCTTTTTAACCACTGGCAAAAAA 2506
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                         INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     685 ATGCCACAGATTTTATTTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAA 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAAAAAAAAAAAATNTNGGGGGGGGGCCC 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/09/344,441
FILING DATE: 20-Feb-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
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66.7%;
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Pred. No. 3.5e-07;
0; Mismatches 51
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                                                                                                                                                                                                                  Enzymes
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Gaps

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Query Match

Matches Query Match

79;

Conservative

0;

Score 72.4; DB 3; Pred. No. 3.5e-07; 0; Mismatches 13

DB 3;

Length Indels

2065; 0;

Gaps

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Best Local

Similarity

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US-09-073-569-1
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                                                                                                                     Matches 102;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Paul O.
APPLICANT: Grossmann, Angelika
APPLICANT: Grossmann, Novel TUMOR ANTIGENS
                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY AGENT INFORMATION:
NAME: Sawislak, Deborah A
REGISTRATION NUMBER: 37,438
REFERENCE DOCKET NUMBER: 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: 206-442-6672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 1- Seattle
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                                                                                                                                                                                                        NAME/KEY:
LOCATION:
                                                                                                                                                                                             OTHER INFORMATION:
                                                                                                                                                                                                                                                                    STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                               TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                              ENGTH: 1733 base pairs
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TGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGC 738
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01 Eastlake Avenue East
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                                                                                                                                  8.5%;
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                                                                                                                  Score 72; DB 3;
Pred. No. 4e-07;
0; Mismatches
                                                                                                                  52; Indels
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; ORGANISM: Triticum aestivum
US-09-342-653-5
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                                                                      US-09-489-847-64
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                                                                                                                                       SOFTWARE: Patentin Ver. SEQ ID NO 64
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Patent No. 6476195
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LENGTH: 572
                                Query Match
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Patent No. 630663
Best Local Similarity Matches 99; Conserv
                                                                                                                                                                                          EARLIER APPLICATION NUMBER: 60/095,454
EARLIER FILING DATE: 1998-08-06
EARLIER APPLICATION NUMBER: 60/095,455
EARLIER FILING DATE: 1998-08-06
                                                                                                                                                                                                                                                               EARLIER APPLICATION NUMBER: 60/095,486
EARLIER FILING DATE: 1998-08-05
EARLIER PELICATION NUMBER: 60/096,319
EARLIER FILING DATE: 1998-08-12
                                                                                                                                                                                                                                                                                                                                                                                       CURRENT FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
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EARLIER FILING DATE: July 14, 1998
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Microsoft Office 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/342,653
CURRENT FILING DATE: 1999-06-29
                                                                                                                                                                              NUMBER OF SEQ ID NOS: 376
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                                                                                                                                                                                                                                                                                                                                                                        EARLIER FILING DATE: 1999-07-29
                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/489,847
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Rosen et al TITLE OF INVENTION: 98 Human Secreted Proteins FILE REFERENCE: PZ031P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: BB-1118
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APPLICANT: Rafalski, Antoni
TITLE OF INVENTION: Chromatin Associated Proteins
                                                                                     ORGANISM: Homo
                                                                                                         TYPE: DNA
                                                                                                                         LENGTH:
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                                                                                                                         1361
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                67..3%;
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Pred. No. 3.9e-07;
                Score 71.4;
Pred. No. 5.
                5.1e-07;
                                    DB 4;
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                                  Length 1361;
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APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.462C2
CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
SOFTWARE: FASTSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LENGTH: 569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-461-325-44
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US-09-461-325-44
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Matches
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
                                                                                                                                                                                                                   Sequence 261, Application US/09404879A Patent No. 6468546
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EARLIER APPLICATION NUMBER: 60/089,510 EARLIER FILING DATE: 1998-06-16 EARLIER APPLICATION NUMBER: 60/090,112 EARLIER FILING DATE: 1998-06-22 EARLIER APPLICATION NUMBER: 60/090,113 EARLIER FILING DATE: 1998-06-22 NUMBER: 61/090,113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: 94 Human Secreted Proteins FILE REFERENCE: PZ029P1 CURRENT APPLICATION NUMBER: US/09/461,325A
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APPLICANT: Ruben et
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ilarity 88.2%;
Conservative
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Pred. No. 7.2e-07;
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                                                                    APPLICANT: Mitcham, Jennifer L.
APPLICANT: Fridakis, Tony N.
APPLICANT: King, Gordon B.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF OVARIAN CANCER
FILE REFERENCE: 210121.463
CURRENT APPLICATION NUMBER: US/09/215,681A
CURRENT APPLICATION NUMBER: US/09/215,681A
CURRENT FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 310
SOFTWARE: FREESEQ for Windows Version 3.0
SEQ ID NO 261
LENCTH: 94
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-338-933-261
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US-09-338-933-261/c
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US-09-215-681-261/c
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                                                                                                                                                                                                                                                                                                         Sequence 261, Application US/09215681A Patent No. 6528253 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 312
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 261
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Best Local Similarity
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Best Local S
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                        ORGANISM: Homo sapien
-09-215-681-261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Mitcham, Jennifer Lynn
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
TITLE OF INVENTION: OVARIAN CANCER
FILE REFERENCE: 210121.462C1
CURRENT APPLICATION NUMBER: US/09/338,933
CURRENT FILING DATE: 1999-06-23
                                                              TYPE:
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Local Similarity 91.2%;
les 73; Conservative
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91.2%;
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Pred. No. 4.7e-07;
""amatches 7;
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Pred. No. 4.7e-07;
0; Mismatches 7;
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RESULT 15
US-09-152-060-15
US-09-152-060-15
; Sequence 15, Application US/09152060
; Patent No. 6448230
; GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-09-489-847-35
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US-09-489-847-35
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EARLIER FILING DATE: 1998-07-30
EARLIER FILING DATE: 1998-08-05
EARLIER FILING DATE: 1998-08-05
EARLIER FILING DATE: 1998-08-05
EARLIER FILING DATE: 1998-08-12
EARLIER FILING DATE: 1998-08-12
EARLIER FILING DATE: 1998-08-06
EARLIER FILING DATE: 1998-08-06
EARLIER FILING DATE: 1998-08-06
EARLIER APPLICATION NUMBER: 60/095,454
EARLIER APPLICATION NUMBER: 60/095,455
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No. 6476195
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LENGTH: 949
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Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
CURRENT APPLICATION NUMBER: US/09/152,060
               APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: PZ003P1.US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/489,847
CURRENT FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
EARLIER FILING DATE: 1999-07-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Ver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EARLIER.FILING DATE: 1998-08-06
NUMBER OF SEQ ID NOS: 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Rosen et al TITLE OF INVENTION: 98 Human Secreted Proteins
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Local Similarity 64.5%;
hes 120; Conservative
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91.2%;
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Pred. No. 9.4e-07;
0; Mismatches 65
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Pred. No. 4.7e-07;
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LENGTH: 1123
                                                                                                                                       Best
                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Ver.
                                                                                                                                                                                                                                                                                       EARLIER APPLICATION NUMBER: 60/068,368 EARLIER FILING DATE: 1997-12-19
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                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/048,189 FILING DATE: 1997-05-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 60/040,710 FILING DATE: 1997-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1998-03-12
APPLICATION NUMBER: 60/040,762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1998-09-11
                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/057,765
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/048,357
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/048,100 FILING DATE: 1997-05-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/050,934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1997-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/US98/04858
                                                                                                                      86; Conserv
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                 LING DATE: 1997-05-30
CCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAAGTGGCGCTACAAACACTAAAAAA
                                                                                                                      Conservative
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                                                                                                                                   8.3%;
76.1%;
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                                                                                                                    Score 69.8; DB 4;
Pred. No. 1.1e-06;
0; Mismatches 27;
                                                                                                                                                 Length 1123;
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Gaps

1070 767 0,

Search completed: December 18, 2003, 22:37:42 Job time : 74 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 1.0
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 89.
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'cgn2_6/ptodata/2/pubpna/US07
'cgn2_6/ptodata/2/pubpna/PCT_
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/cgn2_6/ptodata/2/pubpna/US09B PUBCOMB.seq:*
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/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq2:*
/cgn2_6/ptodata/2/pubpna/US10A PUBCOMB.seq2:*
/cgn2_6/ptodata/2/pubpna/US10B PUBCOMB.seq:*
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2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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              US-09-824-787B-19
US-09-824-787B-35
US-09-824-787B-35
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US-09-824-787B-20
US-09-824-787B-67
US-09-824-787B-67
US-09-824-787B-67
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US-09-824-787B-5
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          Sequence 124, App
Sequence 479, App
Sequence 5, Appli
Sequence 19, Appl
Sequence 33, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 20, Appli
Sequence 20, Appli
Sequence 67, Appl
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389 394	401	392	418	473	397	454	404	404	404	418	405	403	458	420	621	419	427	421	490	508	459	461	447	434	434	451	444	452
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US-09-824-787B-71 US-09-824-787B-56	-09-824-787B-6	-824-787B-7	-09-824-787B-	US-09-824-787B-54	US-09-824-787B-11	US-09-824-787B-55	US-10-010-742-103	US-09-910-689-103	US-09-778-320-103	US-09-824-787B-61	US-09-824-787B-72	-09-824-787B-6	1	-09-824-787B-		US-09-824-787B-59	-09-824-787B-5	US-09-824-7878-58		-09-824-787B-	-09-824-787B-	-787B-	US-09-824-787B-53	US-09-824-787B-50	US-09-824-787B-49	US-09-824-787B-52	US-09-824-787B-44	US-09-824-787B-43
Sequence 71, App Sequence 56, App		74	9	54	11	55	e 10	Sequence 103, App	103,	61,	72,	Sequence 62, Appl	42,	21		59	57,	88	Sequence 6, Appli	ω,	51	48	53	50	49	52	44	Sequence 43, Appl

# ALIGNMENTS

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FEATURE:

; NAME/KEY: misc feature
; LOCATION: (823)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (825)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-301-124
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 124, Application US/09925301 Patent No. US20020052308A1 GENERAL INFORMATION:
                                                                                                                                      Matches
                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR FILING DATE: 2000-03-08
PRIOR PHILING DATE: 2000-03-08
PRIOR PHILING DATE: 2000-03-08
PRIOR PHILING DATE: 2000-03-08
PRIOR PHILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1694
                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 845
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                           Local Similarity
                                                                                                                                      845;
61 GCCGGGGCAGACGTCCGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGTCCG 120
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                                                                                   1 GGCAGAGGTTCACACCCGGAAGCAGGGGGGGCGGAGGCGGAGGGGGGATGAGCGGGGA 60
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                                                                                                                                                           99.8%; Score 843; DB 9; Length 845; 100.0%; Pred. No. 1e-178;
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RESULT 2
US-10-177-293-479
Sequence 479, Application US/10177293
Publication No. US20030124128A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Glatt, Karen
APPLICANT: Gannavarpu, Manjula
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Mertens, Maureen
APPLICANT: Myer, Vic
APPLICANT: Wang, Youzhen
APPLICANT: Wang, Youzhen
APPLICANT: Monahan, John
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
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FILLE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
CURRENT APPLICATION NUMBER: US 60/299,887
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 60/301,572
PRIOR APPLICATION NUMBER: US 60/305,501
PRIOR APPLICATION NUMBER: US 60/305,501
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 479
SEQ ID NO 479
CRGANISM: Homo sapiens
US-10-177-293-479
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Best Local Similarity
Matches 769; Conserv
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Sahin, Aysegul
Mills, Gordon B.
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Hortobagyi, Gabri
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Gabriel
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Pred. No. 1.1e-159;
0; Mismatches 0;
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
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TYPE: TNA
CRGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (608)...(608)
OTHER TUFORMATION: n is any nucleotide of US-09-824-787B-5
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US-09-824-787B-5
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Best Local Similarity
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            TGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGC
                                                            AAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCC
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Pred. No. 4.7e-142;
0; Mismatches 3;
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; ORGANISM: Homo sapiens
; PEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7)...(7)
; OTHER INFORMATION: n is a:
US-09-824-787B-19
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Best Local Similarity
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Patent No. US20020155447A1
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                                                                         CAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGG
                                                                                                                                                          GCGGGGAGCCGGGGCAGACGTCCGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGGGCAGTG
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                                                                                                                                                                                                                                                                                                                      any nucleotide
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Pred. No. 4.1e-119;
0; Mismatches 0;
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                               CTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTTTATTATTTCTCCCCCTAACCCA
                                                                                     CACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCCAGTCCA
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GENERAL INFORMATION:

APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PILING DATE: 2000-04-04
INUMBER OF SEQ ID NOS: 147
SOPTWARE: Patentin Ver. 2.1
SEQ ID NO 19
LENGTH: 584
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APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
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                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 532
TYPE: DNA
ORGANISM: Homo sapiens
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nes 532; Conserv
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CATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCC 652
                                           CCCTGCCTCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCT
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                                                                                                                                      GGTTCCTGCTCTGGTTCTGGGGGTCCAAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCC
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                                                                                                                                                                                                                                                                                                                                                           63.0%; Score 532; DB 10; 100.0%; Pred. No. 2.7e-109; tive 0; Mismatches 0;
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ACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTACAAAGAAGGA
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
APPLICANT: Borrello, Melinda A.
ITILE OF INVENTION: A Gene Differentially Expressed in Breast and
ITILE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 35
LENGTH: 571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 35, Application US/09824787B Patent No. US20020155447A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature
LOCATION: (393)..(393)
OTHER INFORMATION: n is any n
NAME/KEY: misc_feature
LOCATION: (482)..(482)
OTHER INFORMATION: n is any n
NAME/KEY: misc_feature
LOCATION: (503)..(503)
OTHER INFORMATION: n is any n
NAME/KEY: misc_feature
LOCATION: (520)..(520)
OTHER INFORMATION: n is any n
NAME/KEY: misc_feature
LOCATION: (520)..(520)
OTHER INFORMATION: n is any n
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ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      172 CATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCC 113
                                                                                                                                                                                                                                                                                                                                                                                  190 GGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGCCTTTGAGAT
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                              GGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGGGAGCTCCCCCCTGCCTCTTTCCCCT
                                                                                                                             CAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
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                                                                                      NAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
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NAME/KEY: misc feature
LOCATION: (387)...(387)
OTHER INFORMATION: n is any nu
NAME/KEY: misc feature
LOCATION: (520)...(520)
OTHER INFORMATION: n is any nu
US-09-824-787B-37
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US-09-824-787B-37/c
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Best Local
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                                                                                                                                                                                                                                        Matches 520;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 52
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature
LOCATION: (299)...(299)
OTHER INFORMATION: n is any nucleotide
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NAME/KEY: misc_feature
LOCATION: (1)..(1)
OTHER_INFORMATION: n is any nucleotide of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                     Similarity
                                                             ATCACCAACAGCCGTCCCTCCCTGCGTCATCCTGTGACTGCAC-AGGACTCTGGGTTCCTG
                                                                                                                      TATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCCTAGAAAAAG
                                                                                                                                                                                       TTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCC
   CTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCT
                                                                                                   TATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCCTAGAAAAG
                                                                                                                                                                     TTTGAGANGGAGATAATTGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CGGTAATACCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTC 728
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98.9%;
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Pred. No. 6.8e-104;
0; Mismatches 5;
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOSTWARE: Patentin Ver. 2.1
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US-09-824-787B-65/c
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LENGTH: 501
                                                                                                                                                                                                                                                                                                                                                                                     Matches 499;
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 58.9%;
Best Local Similarity 99.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 65, Application US/09824787B Patent No. US20020155447A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                    CAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAG 322
TGGCCTTGGGGGCAGGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCC
                                                   GCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGTAATAGAAGATTCCG
                                                                        GCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTACAAAGAAGGATGGAAGATTCCG
                                                                                                                                                                                    TGCGTCATCCTGTGATTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCT
                                                                                                                                                                                                                                                                                                                   CAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGGCTTTCCCTATGAGAAAGATCTCATTGAG
                                                                                                                   TGGTCTCCCTTTGGTCCTGCGGAGCTCCCCCCTGCCTTTTCCCCCTACTTAGCTCCTTA
                                                                                                                                                  TGGTCTCCCTTTGGTCCTGCGGGAGCTCCCCCCTGCCTTTTCCCCTACTTAGCTCCTTA
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                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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Pred. No. 1.1e-101;
0: Mismatches 2;
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
ITILE OF INVENTION: A Gene Differentially Expressed in Breast and
ITILE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.00440001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOPTWARE: Patentin Ver. 2.1
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US-09-824-787B-3
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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429
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                 CCTGCCTCTTTCCCCTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTT
                                                                                                                                                      TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
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                                                              GTTCCTGCTCTGGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGGGAGCT-CC
                                                                                   GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGCTGGGAGCTCCC
                                                                                                                               TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
                                                                                                                                                                                                                     GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCC
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CCTGCCTCTTTCACCTACTTAGCTCCTTAGCAAAGAGACACTGGCCTCCACTTTGCCCTT
                                                                                                                                                                                                   GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCC
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98.6%;
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Pred. No. 2.8e-97;
0; Mismatches 5;
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GENERAL INC. CASACALLA SECTION:

GENERAL INCOMMATION:

APPLICANT: Zauderer, Maurice

APPLICANT: Evans, Elizabeth E.

APPLICANT: Evans, Elizabeth E.

APPLICANT: Borrello, Melinda A.

ITILE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILIE REFERENCE: 1821.004001

CURRENT APPLICATION NUMBER: US/09/824,787B

CURRENT FILING DATE: 2001-04-04

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR FILING DATE: 2000-04-04

NUMBER OF SEQ ID NOS: 147

SOFTWARE: PATENTIN Ver. 2.1

SEQ ID NO 20

LENGTH: 488

TYPE: DNA

ORGANISM: Homo sapiens

US-09-824-787B-20
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US-09-824-787B-20
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Patent No. US20020155447A1
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Best Local
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                 GGTCCTGCTGGGAGCTCCCCCCTGCCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGAGAC 512
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Pred. No. 1.6e-96;
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RESULT 11
US-09-824-787B-67/c
US-09-824-787B-67/c
; Sequence 67, Application US/09824787B
; Patent No. US20020155447A1
; GENERAL INFORMATION:
; ARPLICANT: Zauderer, Maurice
; APPLICANT: Evans, Elizabeth E.

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APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR FILING DATE: 2001-04-04
PRIOR FILING DATE: 2000-04-04
VINMEER OF SEQ ID NOS: 147
SOFTWARE: Pattentin Ver. 2.1
SEQ ID NO 68
LENGTH: 483
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; TYPE: DNA
; ORGANISM: Homo s
US-09-824-787B-67
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TITLE OF INVENTION: A Gene Differentially Expressed in Breast
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT.FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOPTWARE: Patentin Ver. 2.1
SEQ ID NO 67
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Pred. No. 1.2e-95;
0; Mismatches 2;
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RESULT 13
US-09-824-787B-70/c
; Sequence 70, Application U
; Patent No. US20020155447A1
; GENERAL INFORMATION:
                                                                                                                                          SOFTWARE: PatentIn SEQ ID NO 70
                                                                                                                                                                         APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Bornello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.004001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
COURTENER: DESCRIPTION OF SEQ ID NOS: 147
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NAME/KEY: misc_feature
LOCATION: (385)...(385)
OTHER INFORMATION: n is any nucleotide of
                                                              TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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LOCATION: (248)..(248)
OTHER INFORMATION: n i
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                                                                                                                          LENGTH: 594
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Pred. No. 7.5e-94;
D; Mismatches 13
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RESULT 14
US-09-824-787B-46/c
; Sequence 46, Application US/09824787B
; Patent No. US20020155447A1
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Query Match
Best Local Similarity
Matches 448; Conserv
                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                               SEQ ID NO 46
                                                TYPE: DNA
ORGANISM: Homo
-09-824-787B-46
                                                                                                        APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth B.
APPLICANT: Evans, Elizabeth B.
APPLICANT: Borrello, Melinda A.
APPLICANT: Borrello, Melinda B.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
                                                                                    LENGTH: 456
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53.0%; Score 448; DB 10; 100.0%; Pred. No. 1.5e-90; tive 0; Mismatches 0;
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Pred. No. 3.5e-91;
0; Mismatches 26
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US-09-824-787B-69/c
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                                                                                                                                                       Query Match
Best Local Similarity
Matches 447; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 69, Application UPatent No. US20020155447A1 GENERAL INFORMATION:
                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Homo
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              AAACCTTGGTCTCCCTTTGGTCCTGCGGAGCTCCCCCTGCCTCTTTCCCCCTACTTAGC
                                                                                                                                                              Conservative
                                                                                                                                                                       52.8%;
99.6%;
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.004001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SOFTWARE: Patentin Ver. 2.1
LENGTH: 449
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                    AAACCTTGGTCTCCCTTTGGTCCTGCGGGAGCTCCCCCTGCCTTTCCCCCTACTTAGC
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Pred. No. 4.6e-90;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                      Length
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270
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	29 GCAGTAAAGTGGCGCTACAAACACTAAAA 1	Db
	737 GCAGTAAAGTGGCGCTACAAACACTAAAA 765	, S
30	89 CCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCCAGGGCAATGTCAGCTATTG 30	Db
736	677 CCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTG 736	φ
90	149 ATACCCCTTCCCAGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATA 90	Db 1
676	617 ATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCCAGTCCACCTCTTCGCCCTCGGTAATA 676	Qy 6
150	209 ATTCCGTGGCCTTGGGGGCAGGAGAGAGAGACACTCTCCATGAACACTTCTCCAGGCCACCTC	Db .
616	557 ATTCCGTGGCCTTGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTC	Qy .
210	269 TCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTACAAAAAAGAAATAGAAG 210	Db :
556	497 TCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAG 556	, , ,

Search completed: December 18, 2003, 22:36:18 Job time : 335  $\mbox{secs}$ 

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Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB
Maximum DB
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                  727
723.8
723
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seq length: 2000000000
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Match Length
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Gapop 10.0 , Gapext 1.0
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## ALIGNMENTS

JOURNAL COMMENT REFERENCE AUTHORS SOURCE ORGANISM RESULT 1 BI831153 LOCUS VERSION KEYWORDS ACCESSION DEFINITION TITLE CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
http://image.llnl.gov
plate: LLAM11428 row: h column: 03 Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov Tissue Procurement: Life Technologies, Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 825)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC) BI831153 825 bp mRNA linear EST 04-OCT-2001 603080E12F1 NIH\_MGC\_119 Homo sapiens cDNA clone IMAGE:5172146 5', Homo sapiens BI831153.1 GI:15942703 Unpublished Homo sapiens (human) quality sequence stop: 748. эd

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                   GTAATACCTGTCT-GATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCA 729
                                                                                     CACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCG
                                                                                                                                                                   TAGAAGATTCCGTGGCCTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGC
                                                                                                                                                                                                                                                                                                       GGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTTCCCCTA 490
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/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: EcoRV (destroyed); RNA source normal medulla from anonymous male age 27. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.3 kb, insert size range 0.9-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 013. Note: this is a NIH MGC Library."

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/lab_host="DH10B"
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/db_xref="taxon:9606"
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Pred. No. 2.6e-59;
0; Mismatches 5;
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5', mRNA sequence.
BQ960409
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov h column: 04
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Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Robert Strausberg,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 729)
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CDNA Library Arrayed by: The I.M.A.G.B. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                       CGATGAGCGGGGAGCCGGGGCAGACGTCCGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGG
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                                                                    GGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGA
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                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="IMAGE:4462433"
/tlissue_type="epidermoid carcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC_101"
/clone_lib="NIH MGC_101"
/note="Organ: lung; Vector: pOTB7; Site_1: EcoRI; Site_2:
/note="Organ: lung; Vector: pOTB7; Site_tetionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCACGAG(G). Library constructed by Ling Hong in the
laboratory of Gerald M. Rubin (University of California,
Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and
Superscript II RT (Life Technologies). Note: this is a
NIH MGC Library."
68 a 208 c 196 g 155 t 2 others
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    organism="Homo sapiens"
mol_type="mRNA"
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99.5%;
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                                                                                                                                                                                                                                                                                                                                                            Score 723.8; DB 1
Pred. No. 5.6e-59;
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1 Homo sapiens cDNA clone IMAGE:6462483
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BG705876.1
EST.
                                                                                                                     DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLAM10669 row: h column: 17

High quality sequence stop: 761.
                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI),
Toshiyuki and Piero Carninci (RIKEN)
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutelestomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 799)

NIH-MGC http://mgc.nci.nih.gov/.
NIH-MGC http://mgc.nci.nih.gov/.
NIH-MGC http://mgc.nci.nih.gov/.
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/db_xref="taxon:9606"
                  /clone="IMAGE:4792000"
/tissue_type="hypothalamus"
/lab_host="DH10B"
                                                                                                               ocation/Qualifiers
    clone_lib="NIH_MGC_96"
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BG707555 778 bp mRNA linear EST 07-MAY-2 602670604F1 NIH_MGC_96 Homo sapiens cDNA clone IMAGE:4793496 5',
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Query Match
Best Local Similarity
Matches 740; Conserv
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     Conservative
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                                                                                                                    /note="Organ: brain; Vector: pBluescriptR (modified pBluescript KS+); Site 1: BamHI; Site 2: SalI:XhOI (gtcgag); Oligo-dT primed using primer 5:-TTTTTTTTTTTTTVN-3', size-selected for average insert size 2: 3 kb and normalized to ROT 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in proparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library." a 230 c 225 g 162 t
                         98.5%;
Score 723; DB 10;
Pred. No. 6.2e-59;
0; Mismatches 10;
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747 GGC		567 CTT     554 CTT	507 AGA     494 AGA	447 CTC     434 CTC	387 TCA     374 TCA	327 TCC     314 TCC	267 TGG     254 TGG	207 TCG     194 TCG	147 GCG     134 GCG	87 CTC 74 CTC	27 GGC 14 GGG
GCCACAGATTTATTTATTCTCCCTAACCCAGGCAATGTCAGCTATTGGCAGTAAAGT	CCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGAT	CTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCCCCTT	AGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCGTGGC 	CTCCCTTTGGTCCTGCTGGAAGCTCCCCCTGCCTTTTCCCCTACTTAGCTCCTTAGCAA	TCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGT 	TCCGAAGAGCCAGTAATGGAGAAAACCCTAGAAAAGATCACCAACAGCCGTCCCTCCC	TGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCA 	TCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGC	GCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCA	CTCCCGAGGAGGTCGAGCCGGGCAGTGGGGGTCCGCATCGTGGTGGAGTACTGTGAACCCT	GGCCCGAGGCGGAGCCGCGATGAGCGGGGAGCCGGGGCAGACGTCCGTAGCGCCCC
CTCCCCTAACCCA-GG	AAAGCCCAGTCCACT          AAAGCCCAGTCCACT	CACTCTCCATGAACA	TTGCCCTTTGGGTAC	GAGCTCCCCCTGCCT	GACTCTGGGTTCCTG	AGAAACCCTAGAAA            AGAAACCCTAGAAAA	GAATGGGGGCTTTCC	CGGGGGCACAGGTGC	CCTGGAGCTGGCCAG	:GGGCAGTGGGGTCCG                 :GGGCAGTGGGGTCCG	:CGCGATGAGCGGGGA             !CGCGATGAGCGGGGA
GCAATGTCAGCTATE 	CTTCGCCTCGGTAAT           CTTCGCCTCGGTAAT	CTTCTCCAGCCACCT	aaagaaggaatagaa             aaagaaggaatagaa	CTTTCCCCTACTTAG            CTTTCCCCTACTTAG	CTCTGTTCTGGGGTC	GATCACCAACAGCCG              GATCACCAACAGCCG	CTATGAGAAAGATCT              CTATGAGAAAGATCT	CTTTGAGATAGAGAT              CTTTGAGATAGAGAT	TGCTGTGAAGGAGCA              TACTGTGAAGGAGCA	CATCGTGGTGGAGTA	GCCGGGGCAGACGTC            CCGGGGCAGACGTC
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Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI), Shire
Toshiyuki and Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
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NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health, Mammalian
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BG707555.1 GI:13984019
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Mammalia; Eutheria;
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/note="Organ: brain; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: SalI-XhoI (gtcgag pBluescript site_2: SalI-XhoI (gtcgag primer site_2: SalI-XhoI (gtcgag primer site_2: SalI-XhoI (gtcgag primer site_2: SalI-XhoI (gtcgag primer); SalI-XhoI (gtcgag primer); SalI-XhoI (gtcgag pri
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/mol_type="mRNA"
/db_xref="taxon:9606"
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collect
                                                                                                                                                                                                                                                                                 found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov plate: LLAM13506 row: j column: 16
                                                                                                                                                                                                                                                                                                                                                                                                         Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BQ434646
AGENCOURT_7892547 NIH_MGC_
5', mRNA Bequence.
                                                                                                                                                                                                                                                                 High quality sequence stop: 529.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unpublished
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATAC
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                  171
            /clone="IMAGE:6158703"
/tissue_type="melanotic melanoma"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC 72"
/note="Organ: skin; Vector: pCMV-SPORT6; Site_1:
Site_2: Sall; Cloned unidirectionally. Primer: O
Average insert size 2 kb. Library constructed b
Technologies."
157 t 1 others
                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="mRNA"
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Query Match

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1 (bases 1 to 835)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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Unpublished
Contact: Robert Strausberg,
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                                                                                                                                     Homo sapiens (human)
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0; Mismatches 13;
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Tissue Procurement: Dr. Stefan Hansson
cDNA Library Preparation: Michael J. Brownstein (NHGRI) wit
and advice from Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: NDAM346 row: c column: 20
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Location/Qualifiers
                                 ACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCGTGGCCTTTGGGGGGAGAG
                                                                                                    TGGGAGCTCCCCCTGCCTTTTCCCCTACTTAGCTCCTTAGCAAAGAGAGACCCTGGCCTCC
                                                                                                                                                                     CAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGC
                                                                                                                                                                                                                                         TGGAGAAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCA 402
                                                                                                                                                                                                                                                                                     GGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAA
                                                                                                                                                                                                                                                                                                          GGAGAATGGGGGCTTTCCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAA 342
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a 242 c
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/rote="Organ: placenta; Vector: pBluescriptR; Site_1:
all-XhoI; Site_2: BamH; Library is oligo-dT primed and
directionally cloned using primer
5'-TTTTTTTTTTTTTTTVN-3', size-selected for average insert
size 2.3 kb and normalized to ROT 5. This is a primary
library enriched for full-lender clones and constructed
using the Cap-trapper method (Carninci, in preparation).
Library constructed by M. Brownstein (NIMH/NHGRI,
National Institutes of Health). Note: this is a NIH_MGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:30331171"
/tissue_type="pre-eclamptic
/lab_host="DH10B_TonA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       organism="Homo sapiens
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Pred. No. 1.2e-58;
D; Mismatches 2;
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AGENCOURT 7909281 NIH MGC 70 Homo
5', mRNA sequence.
BU110259
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 720)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene
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Mammalia; Eutheria; Primates;
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EST.
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                                                                                              AGCCGGGGCAGACGTCCGTAGCGCCCCCCCCGAGGAGGACGTCGAGCCGGGCAGTGGGGTCC
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  GTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCCTCGGGGGCACAGGTG
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                                                                                                                                                                                                                                                                                                                                                                 168
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Location/Qualifiers
                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"

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/db_xref="taxon:9506"

/dlone="IMAGE:6092434"

/tissue_type="epithelioid carcinoma"
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Pred. No. 1.6e-58;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 717) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                       cDNA Library preparation: Dr. M. Bento Soares, University cDNA Library Arrayed by: Dr. M. Bento Soares, University of DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Distribution information can be found http://genome.uiowa.edu/distribution/cgap.html
                                                                                                                                                                                                                                                                                                                Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Gary W. Hunninghake, U of I
                                                                                                                                                                                                                                                                                                                                                               Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                   Unpublished
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/organism="Homo sapiens"
/mol_type="mRNA"
/mol_type="mRNA"
/db xrefe"ttaxon:9606"
/clone="UI-H-FT1-bjx-n-01-0-UI"
                                                                                                                    Location/Qualifiers
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/note="Organ: Lung; Vector: pT7T3-Pac (Pharmacia) with a modified polylinker; Site 1: EccR I; Site 2: Not I; NCI_CGAP FT1 is a normalized cDNA library_constructed from a pool of 81 RNA samples from Alveolar Macrophages challenged with different treatments. The library was normalized according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EccR I adaptor, digested with Not I, and cloned directionally into pT7T3-pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT) 18 tail. The sequence tag for this library is GGCCATGCCG. The tissue was provided by Dr. Gary W. Hunninghake of the University of Iowa.
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TAG_TISSUE=Human Lung Aveolar Macrophage
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/dev_stage="Adult"
/lab_host="DH10B (Life Technologies)"
/lab_host="UNITY TECHNOLOGIES)"
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM13318 row: h column: 22
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AGENCOURT_7829020 NIH_MGC_68 Homo
5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP/Gazdar
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National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                         GGGCCCGAGGCGGAGCCGGCCGCGATGAGCGGGGGAGCCGGGGGCAGACGTCCGTAGCGCCC
                                  CTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCC 325
                                                                                        ATCGAGATCGAGTCGCGCCTCGGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAG
                                                                                                                                                              TGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGC
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CTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCC
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="large cell carcinoma"
/lab host="DHIOB (bhage-resistant)"
/clone lib="NIH MGC 68"
/clone lib="NIH MGC 68"
/note="Torgan: lung; Vector: pCMV-SPORT6; Site_1: Not1;
/site_2: Sall; Cloned unidirectionally. Primer: Oligo c
Average insert size 1.8 kb. Library constructed by Li
Technologies. "
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Louis M. Staudt, M.D., Ph.D.
TONA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 705) NIH-MGC http://mgc.nci.nih.gov/. National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                             Plate: LLCM1694 row: o column:
High quality sequence stop: 700.
Location/Qualifiers
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                                                                                                                                                                                                    found through the I.M.A.G.E. Consortium/LLNL http://image.llnl.gov
                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                    sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                         sapiens
/tissue_type="primary B-cells from tonsils (cell line)"
/lab host="PHIOB (phage resistant)"
/clone_lib="NIH MCC 48"
/note="Torgan: B-cells; Vector: pOTB7; Site_1: XhoI;
Site_2: EcoRI; CDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Size-selected >500bp
                                                                                                        organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                              clone="IMAGE:4851672"
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  Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                 Homo sapiens (human)
                                                                  AGENCOURT 7966168 NIH MGC 5', mRNA sequence.
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BU166943.1 GI:22680895
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                    CCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAAGTGGCGC
                                                                                                   CTCCCCCTGCCTCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTG
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                                                                            GCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTGTATTGATTCTC
                                                                                                                                                           TCTCCATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAA
                                                                                                                                                                                    TCTCCATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAA
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ismatches 5;
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724 :\_72

Homo Homo

sapiens mRNA

CDNA

clone

EST 04-SEP-2002 MAGE:6165172

Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.

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cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LilmM1259
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High quality sequence stop: 584.
Location/Qualifiers
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National Institutes of Health, Mammalian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished
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AACACTTCTCCAGCCACCTCATACCCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTC
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                                             GCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGG
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/lab host="DH10B (phage-resistant)"
/clone lib="NH10B (phage-resistant)"
/clone lib="NH MGC 72"
/note="Organ: skin; Vector: pCMV-SPORT6; Si
Site_2: Sall; Cloned unidirectionally. Pri
Site_2: Sall; Cloned unidirectionally. Pri
Average insert size 2 kb. Library constru
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/clone="IMAGE:6165172"
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1 (bases 1 to 759)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        found through the I.M.A.G.E. Consortium/LLNL http://image.llnl.gov plate: //image.llnl.gov g column: 07 plate: LLNM9507 row: g column: 07 High quality sequence stop: 705.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
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602038428F1 NCI_CGAP_Brn64
5', mRNA sequence.
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EST.
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BF339127
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                                                             CCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGAGTACTGTGAACCCTGCG
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                                                                                        CCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCCTGCG
                                                                                                                             CCCGAGCCGAGCCGCCGATGAGCGGGGAGACGTCCGTAGCGCCCCTC
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GCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGAAGGAGCAGTATCCGGGCATCG
                   GCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCG
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                                                                                                                                                                                                                                                                             /clone="IMAGE:4186398"
/tissue_type="glioblastoma with EGFR amplification"
/lab_host="DH10B (TI phage-resistant)"
/clone_lib="NCI (GAP_Brn64"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: Not Site_2: Sall; Cloned unidirectionally. Primer: Oligo Average insert size 157 kb. Constructed by Life Technologies. Note: this is a NCI_CGAP_Library."
a 220 c 212 g 155 t
                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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Pred. No. 4.1e-56;
D; Mismatches 17;
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RESULT 13
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                                CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLN
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MCC clone distribution information
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM9970 row: g column: 05
High quality sequence stop: 709.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                       Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                         Mammalia; Eutheria; Primates; C
1 (bases 1 to 713)
NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health,
                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                          BF793444.1 GI:12098498
                                                                                                                                                                                Unpublished
                                                                                                                                                                                                                                                        Homo
                                                                                                                                                                                                                                                                 Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                  mRNA sequence.
                                                                                                                                                                    Contact: Robert Strausberg, Ph.D.
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            organism="Homo sapiens
_type="mRNA"
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Query Match
Best Local Similarity
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BM981287 711 bp mRNA linear UI-CF-EN1-adh-a-08-0-UI.51 UI-CF-EN1 Homo sapiens UI-CF-EN1-adh-a-08-0-UI 3', mRNA sequence. — BM981287 BM981287.1 GI:19603618
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/clone="IMAGE:4347292"
/tissue_type="adrenal_correx_carcinoma, cell_line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_64"
/clone_lib="NIH_MGC_64"
/note="Organ: adrenal_gland; Vector: pCMV-SPORT6; Site_1:
Not1; Site_2: Sal1; Cloned unidirectionally; oligo-dT
primed. Average insert size_1.229 kb. Library enriched for
full-length clones and constructed by Life Technologies.
Note: this is a NIH_MGC_Library."
67 a 204 c 187 g 155 t
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           196
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Tissue Procurement: Dr. M. J. Welsh, University of Iowa
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
cDNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2024 University of Iowa Med Labs, Iowa City, Tel: 319 356 4866
Fax: 319 356 7171
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                    CTGTGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCA
                                                                                               CTGTGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCA 195
                                                                                                                                                                            CGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGTGGAGTA 135
                                                                                                                                             CGTAGCGCCCCCCCGAGGAGGTCGAGCCGGGCAGTGGGTCCGCCATCGTGGAGTA 636
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                                                                                                                                                                                                                                                                                                                                                        154
                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /dev_stage="Adult"
/lab_host="DH10B (Life Technologies) (T1 phage registant)"
/clone_lib="UI-CF-EN1"
/note="Organ: Lung; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not 1;
UI-CF-EN1 is a normalized (DNA library containing the
following tissue(8): Primary Lung Cystic Fibrosis
Epithelial Cells. The library was constructed according to
Bonaldo, Lennon and Soares, Genome Research, 6:791-806,
1996. First strand cDNA synthesis was primed with an
oligo-dT primer containing a Not I site. Double stranded
cDNA was ligated to an EcoR I adaptor, digested with Not
I, and cloned directionally into pT7T3-Pac vector. The
oligonucleotide used to prime the synthesis of
first-strand cDNA contains a library tag sequence that is
located between the Not I site and the (dT)18 tail. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                    sequence tag for this library is CTGCTCAGGT.
TAG_LIB=UI-CF-EN1
TAG_TISSUE-Human Lung Epithelial Cell Lines untreated LPS
                                                                                                                                                                                                                                                                                                                                                                                                     6hr to LPS 24h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue_type="Primary Lung Cystic Fibrosis Epithelial
Cells"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mol_type="mRNA"
db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                          SEQ=CTGCTCAGGT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                one="UI-CF-EN1-adh-a-08-0-UI"
                                                                                                                                                                                                                                                           81.1%;
99.1%;
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                                                                                                                                                                                                                                                                                                                                                        ი
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                                                                                                                                                                                                                                Score 685.4; DB 12,
Pred. No. 2.1e-55;
                                                                                                                                                                                                                                                                                                                                                        205
                                                                                                                                                                                                                                                                                                                                                      ω
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                                                                                                                                                                                                                                                                                                                                                        164
                                                                                                                                                                                                                                                                                   DB 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   approaches
                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                              Length 711;
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AUTHORS
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KEYWORDS
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BU623706/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            556 GATTCCGTGGCCTTGGGGGCAGGAGAGACACTCTCCATGAACACTTCTCCAGCCACCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               436 CAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTTCCCCTACTTAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             395
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                                                                                                                                                                              Email: cgapbs-r@mail.nih.gov
Tissue Procurement: James Martin
CDNA Library preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Clone distribution information can be obtained
from Dr. M. Bento Soares, bento-soares@uiowa.edu
                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 787) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap. NCI-CGAP into Institute, Cancer Genome Anatomy Project (CGAP), mational Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
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UI-H-FG1-bgi-a-17-0-UI.s1 NCI_CGAP_FG1 Homo
UI-H-FG1-bgi-a-17-0-UI 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                         Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATT 735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GATTCCGTGGCCTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCT
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                                                                                                                                                                primer: M13 FORWARD
/organism="Homo sapiens"
/mol_type="mRNA"
/db xref="taxon:9606"
/clone="UI-H-FG1-bgi-a-17-0-UI"
                                                                                                                  ocation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GI:23289921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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EST 23-SEP-2002 CDNA clone

36

96

615

156

555

276

216

495

336

435

396

456

375

516

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Query Match 81.1%;
Best Local Similarity 97.8%;
Matches 726; Conservative
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                                                                                                                                                                                           578
                                                                                                                                                                                                                                                              262
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     502 AAGCTGGAGAATGGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 562 TCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCC 503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  218 TCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             622 GCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     158 GCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        681 GTCGAGCCGGCAGT-GGGTCCGCATCGTGGAGTACTGTGAACCCTGCGGCTTCGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTT
                                        TGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTT
                                                                                                                           GAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAG 637
                                                                                                                                                                                                                                                                                                                       CCTCCACTTTGCCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCGTGGCCTTGGGGGCAG 577
                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCTGCTGGGAGCTCCCCTGCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGG 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTTGGT 457
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                                                                                                                                                                                                                                                           CCTCCACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCGTGGCCTTGGGGGCAG
                                                                                                                                                                                                                                                                                                                                                                                             CCTGCTGGGAAGCTCCCCCTGCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGG
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//lab_host="DH10B (Life Technologies)"
//clone_lib="NCI_CGAP_FG1"
//clone_lib="NCI_CGAP_FG1"
//clone_lib="NCI_CGAP_FG1"
//clone_lib="NCI_CGAP_FG1"
//note="Organ: Enchondroma; Vector: pT773-Pac (Pharmacia)
//note="Organ: Enchondroma; Vector: pT773-Pac (Pharmacia)
//note="Organ: Enchondroma; Vector: pT773-Pac (Pharmacia)
//note="Organ: Enchondroma; Vector: Street (Pharmacia)
//note="Organ: Enchondroma tissues."
NCI_CGAP_FG1 is a normalized cDNA library obtained from a
pool of mRNA from 2 cell lines from Enchondroma tissues.
The library was constructed according to Bonaldo, Lennon
and Soares, Genome Research, 6:791-806, 1996. First strand
cDNA synthesis was primed with an oligo-dT primer
containing a Not I site. Double stranded cDNA was ligated
to an EcoR I adaptor, digested with Not I, and cloned
directionally into pT773-Pac vector. The oligonucleotide
used to prime the synthesis of first-strand cDNA contains
a library tag sequence that is located between the Not I
site and the (dT).8 tail. The sequence tag for this
library is CGGTCACTC. The cell lines were provided by Dr.
TAG_TLSUEEEnchondroma cell lines were provided by Dr.
TAG_TLSUEEEnchondroma cell line (Mix of EN1 and EN2)
TAG_CGGTCACTC"
185 t
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Search completed: December 18, 2003, Job time : 2309 secs 22:25:39

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Post-processing: Minimum Match 0%
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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

## Result No. 0000 000 C O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 413 407.2 678.6 578.6 579.7 570.7 Score 403 402 402 Query Match 594 13450 16572 20271 161815 168585 198008 Length 452 띪 AX269208 AX269211 HSA308025 AX269168 HSA308025 AX269218 AX269217 AX269219 AX269219 AX269181 AX269181 AX269202 AX269202 AX269202 AX269202 AX269222 AX269222 AX269222 AX269222 AX269221 AX269221 AX269221 AX269221 AX269215 AX269215 AX269204 AY208911 AX269212 AX269209 AX269210 AX269213 AC040933 AC142197 AX269206 AX269229 AX269203 AX269227 AX269228 AX269230 AB096612 AB096614 AB096613 AC079199 BC006006 AX269165 AX269179 AX269195 AX269197 AX269197 AX269163 AX269163 AX269163 AB096613 AC079199 AC040933 AC142197 AX269206 AX269203 AX269203 AX269211 AX269212 AX269213 AX269197 AX269197 AX269225 AX269163 AX269180 AB096614 AB096612 BC006006 Homo sapi AX269165 Sequence Description Sequence Sequence Sequence Sequence Sequence Sequence Homo sapi Sequence Homo sapi 7 Sequence Sequence Homo sapi Homo sapi Homo sapi Homo sapi Homo sapi Homo sapi Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence

## ALIGNMENTS

AUTHORS TITLE	REFERENCE	ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION		DEFINITION	Locus	BC006006	RESULT 1
Strausberg, R. Direct Submission	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 748)	Homo sapiens	Homo sapiens (human)	MGC.	BC006006.1 GI:13543711	BC006006	MGC:14832 IMAGE:4283597, mRNA, complete cds.	ĕ	BC006006 748 bp mRNA linear PRI 12-JUL-2001		

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This clone was selected for full length sequencing because passed the following selection criteria: Hexamer frequency analysis, Genomescan gene prediction.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CDNA Library Preparation: CLONTECH Laboratories, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
CDNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Meb site:
http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
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Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (02-APR-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
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                                              TGGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCA 402
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/protein_id="AAH06006.1"
/db_xref="GI:13543712"
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/clone="MGC:14832 IMAGE:4283597"
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Patent: WO 0174859-A 5 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                              GCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTT
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                                                                                                          al Similarity
576; Conserv
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Patent: WO 0174859-A 19 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
1. 584
                                                                                                                                                                                                                                                                                                                        Sequence 19 from AX269179
                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                    GCGGGGAGCCGGGCAGACGTCCGTAGCGCCCCCCCGAGGAGGTCGAGCCGGGCAGTG
        TGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCA
                                 TGGCCAGTGCTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCA
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                                                                                                                                                    /organism="Homo sapiens'
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Query Match
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AX269193
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Mammalia; Eutheria; Primates;
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GGTTCCTGCTCTGTGTCCCAAACCTTGGTCCCCTTTGGTCCCTGCTGGAGCTCC
                                                                               CTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTG
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                                                           CTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTG
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/db_xref="taxon:9606"
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Eukaryota; M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AX269195.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens (human)
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                                                                                         CAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
                                                                                                                                        AGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCTAGAAAAGATCACCAA 369
                                                                                                                                                                                                                            GGAGCAGTATCCGGGCATCGAAAATCGAGTCGCGCTTCGGGGCACAGGTGCNTTTGAGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCC
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                                      GGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGGGAGCTCCCCCTGCCTCTTTCCCCT 489
                                                                            NAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
                                                                                                                           AGATETEATTGAGGECATECGAAGAGECAGTAATGGAGAAACCETAGAAAAGATEACCAA
                                                                                                                                                                                                                                          GGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGCCTTTGAGAT
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                                                                                                                                                                                           AGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAA
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                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
137 c 166 g 13
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95.8%;
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Primates;
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Pred. No. 1.8e-90;
0; Mismatches 21;
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WO0174859
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Catarrhini; Hominidae;
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Sequence
AX269197
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Patent: WO 0174859-A 37 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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TATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCCTAGAAAAG
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                                                                                                                          CTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCT
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                                                    CCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTAC
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                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
120 c 151 g 12
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Pred. No. 6.6e-89;
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Patent: WO 0174859-A 65 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Sequence 65 from Patent
AX269225
AX269225.1 GI:16542141
                                                                                                                                                                                                                                                                                                               GCCATCCGAAGAGCCAGTAATGGAGAAAACCCCTAGAAAAGATCACCAACAGCCGTCCTCCC
                                                                                                                                                                                                                                                                                                                                                                CAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCAT;GAG
           TGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTA
                                              CCTTCCCAGGGTAAGTGCCCACGAAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTC
                                                             CCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTC
                                                                                                 TGGCCTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCC
                                                                                                                 TGGCCTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCC
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 TGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
112 c 152 g 11
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WO0174859.
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Patent: WO 0174859-A 3 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AX269163 518 bp
Sequence 3 from Patent WO0174859.
AX269163
AX269163.1 GI:16542079
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                              TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACCTGCACAGGACTCTGG
                                                                                                                                                                                                              GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCC
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                                                                 CCTGCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTT
                                                                                                                GTTCCTGCTCTGTGCGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
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AAGTGGCGCTACAAACACTAA
                                                CCTGCCTCTTTCACCTACTTAGCTCCTTAGCAAAGAGACACTGGCCTCCACTTTGCCCTT
                                                                                                 GTTCCTGCTCTGTTCTGGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCT-CC
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                                                                                                                                                                                                                                                                                                    TGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCA
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
143 c 157 g 111
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Pred. No. 3.8e-83;
D; Mismatches 5;
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Best Local Similarity
Matches 476; Conserv
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Sequence
AX269180
                                                                                   Sequence 67 from Patent AX269227
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patent: WO 0174859-A 20 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
           Homo sapiens
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Zauderer, M., Evans, E.E. and Borrello, M.A. A gene differentially expressed in breast
                                                Homo
                                                                       AX269227.1
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Mammalia; Eutheria;
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                                                                                                                                                                                                                       TGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTT
                                                                                                                                                                                                                                                                     GCAGTAATGGAGAAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTG
                                                                                                                                                                                                                                                                                           GCCAGTAATGGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTG 394
                                                                                                                                                                                                                                                                                                                       TCCAAGCTGGAGAATGGGGGCTTTCCCCTATGAGAAAGATCTCATTGAGGCCCATCCGAAGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGTCCTGCTGGGAGCTCCCCCTGCCTTTTCCCCCTACTTAGCTCCTTAGCAAAGAGAC
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
141 c 153 g 9
                                                                       GI:16542143
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                                                (human)
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Primates;
           Chordata;
Primates;
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                                                                                                474 bp
WO0174859.
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           Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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AX269228/c
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                                                                                                                                                                                                            AX269228
Sequence
AX269228
                                                                                                                                      Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
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                                                      encoded polypeptides
Patent: WO 0174859-A 68 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                                                                                    Zauderer, M., Evans, E.E. and Borrello, M.A. A gene differentially expressed in breast
                                                                                                                                                                           Homo sapiens (human)
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
109 c 144 g 11
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                                                                                                                                         Craniata; Vertebrata; Catarrhini; Hominidae,
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                                                                                                                                                                 encoded polypeptides
Patent: WO 0174859-A 70 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                                                                                                                                                                                                                   Zauderer, M., Evans, E.E. and Borrello, M.A.
                                                                                                                                                                                                                                                                         Eukaryota;
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                               Conservative
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                                                                                                                                                                                                                      differentially expressed in breast
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                                                                                             /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
148 c 171 g 13
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Eutheria; Primates; Catarrhini; Hominidae;
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Pred. No. 7.7e-78;
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                                                                                                                      Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Center Research Institute, Genetics Division; Tsukiji 5-1-1, Chuo-ku, Tokyo 104-0045, Japan (E-mail:hksasaki@gan2.res.ncc.go.jp, Tel:81-3-3542-2511(ex.4402), Fax:81-3-3541-2685)
                                                                                                                                                                                                                                             Kuwahara,Y., Tanabe,C., Ikeuchi,T., Aoyagi,K., Nishigaki,M., Sakamoto,H., Hoshinaga,K., Yoshida,T., Sasaki,H. and Terada,M. Presence of novel mechanisms other than the BFB cycles in
                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens DNA, 13kb-normal AB096612
                                                                                                                                                                               Direct Submission
                                                                                                                                                                                          Sasaki, H.
                                                                                                                                                                                                                                  amplification of human
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684. .2046
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Best Local Similarity 99.8
Matches 451; Conservative
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2 (bases 1 to 16572)
Sasaki,H.
Sasaki,H.
Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Center Research Instituté, Genetics Division; Tsukiji 5-1-1, Chuo-ku, Tokyo 104-0045, Japan (E-mail:hksasaki@gan2.res.ncc.go.jp,
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                                                                                                                  Kuwahara,Y., Tanabe,C., Ikeuchi,T., Aoyagi,K., Nishigaki,M., Sakamoto,H., Hoshinaga,K., Yoshida,T., Sasaki,H. and Terada,M Presence of novel mechanisms other than the BFB cycles in
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Mammalia; Eutheria;
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11349. .11517
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Location/Qualifiers
Homo sapiens (human)
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ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;

Euteleostomi;

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2 Sasaki, H.
2 Sasaki, H.
Direct Submission
Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Center Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Center Research Institute, Genetics Division; Tsukiji 5-1-1, Chuo-ku, Tokyo 104-0045, Japan (E-mail:hksasaki@gan2.res.ncc.go.jp, Tel:81-3-3542-2511(ex.4402), Fax:81-3-3541-2685)
Tel:81-3-3542-2511(ex.4402), Fax:81-3-3541-2685)
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